

What is claimed is:

1. A child safety seat sensor system comprising:
a main plate configured for attachment to a fixed vehicle structure;
a movable member having a portion at least partially disposed in an opening in said main plate, said movable member comprising connection bar extending beyond said main plate for receiving an attachment mechanism fixed to said child safety seat;
at least one magnet fixed to said movable member; and
a Hall device disposed adjacent said magnet and fixed to said main plate, whereby tension on said bar causes relative motion between said at least one magnet in said Hall device, said Hall device providing a first output upon application of tension to said bar and a second output when tension is removed from said bar.
2. A sensor assembly according to claim 1, wherein said connection bar includes angularly disposed relative to said main plate.
3. A sensor assembly according to claim 1, wherein said assembly further comprises at least one spring for biasing said movable member in a first position relative to said main plate.